

Product datasheet for RN206953

Sbds (NM_001008289) Rat Untagged Clone

Product data:

Product Type: Expression Plasmids
Product Name: Sbds (NM_001008289) Rat Untagged Clone
Tag: Tag Free
Symbol: Sbds
Synonyms: MGC105922
Vector: pCMV6-Entry (PS100001)
E. coli Selection: Kanamycin (25 ug/mL)
Cell Selection: Neomycin
Fully Sequenced ORF: >RN206953 representing NM_001008289
 Red=Cloning site Blue=ORF Orange=Stop codon

TTTTGTAATACGACTCACTATAGGGCGCCGGGAATTCGTCGACTGGATCCGGTACCGAGGAGATCTGCC
 GCC**GCGATCGCC**

ATGTCGATCTTCACCCCAACCAACCAGATCCGACTGACCAATGTAGCCGTGGTCCGGATGAAGCGGGGAG
 GGAAGCGCTTCGAAATCGCTGTATAAAAACAAGGTCGTGGCTGGCGGAGTGGAGTGGAAAAAGACCT
 TGATGAAGTTCTGCAGACCCATTCAGTGTGGTCAATGTTTCCAAGGTCAGGTTGCCAAGAAGGAAGAC
 CTCATCAGTGCATTTGGGACCGACGACCAGACTGAAATCTGCAAGCAGATTCTGACTAAAGGAGAAGTTC
 AAGTGTGAGATAAAGAACGGCACACACAGCTGGAGCAGATGTTTAGGGATATTGCCACCATTGTGGCAGA
 CAAGTGTGTGAACCCGGAAACAAGAGACCCTACACCGTTATCCTCATCGAGAGGCCATGAAGGACATC
 CACTACTCCGTCAAACCAACAAGAGCACAAGCAGCAGGCGCTGGAGGTGATAAAGCAGCTGAAGGAGA
 AGATGAAGATCGAGAGGGCGCACATGCGCTTGCCTTCCCTGCGGTTGAAACGAGGAAAGAAGCTGAA
 GGAAAAGCTGAAGCCCTGATGAAGGTCGTGGAGAGTGGAGACTACAGCCAGCAGCTGGAGATCGTATGC
 CTCATCGACCCAGGCTGCTTCAGAGAAATTGACGAGCTGATAAAAAAGGAAACGAAAGGCCAAGGGTCTC
 TGGAAGTGCTCAGTCTGAAAGACGTGGAGAGGGAGATGAGAAGTTGAATGA

ACGCGTACGCGGCCGCTCGAGCAGAAACTCATCTCAGAAGAGGATCTGGCAGCAAATGATATCCTGGATT
 ACAAGGATGACGACGATAAGGTTTAA

Restriction Sites: SgfI-MluI
ACCN: NM_001008289
Insert Size: 753 bp



[View online »](#)

OTI Disclaimer:	Our molecular clone sequence data has been matched to the reference identifier above as a point of reference. Note that the complete sequence of our molecular clones may differ from the sequence published for this corresponding reference, e.g., by representing an alternative RNA splicing form or single nucleotide polymorphism (SNP).
Components:	The ORF clone is ion-exchange column purified and shipped in a 2D barcoded Matrix tube containing 10ug of transfection-ready, dried plasmid DNA (reconstitute with 100 ul of water).
Reconstitution Method:	<ol style="list-style-type: none">1. Centrifuge at 5,000xg for 5min.2. Carefully open the tube and add 100ul of sterile water to dissolve the DNA.3. Close the tube and incubate for 10 minutes at room temperature.4. Briefly vortex the tube and then do a quick spin (less than 5000xg) to concentrate the liquid at the bottom.5. Store the suspended plasmid at -20°C. The DNA is stable for at least one year from date of shipping when stored at -20°C.
RefSeq:	NM_001008289.1 , NP_001008290.1
RefSeq Size:	1465 bp
RefSeq ORF:	753 bp
Locus ID:	288615
UniProt ID:	Q5RK30
Cytogenetics:	12q12
Gene Summary:	Required for the assembly of mature ribosomes and ribosome biogenesis. Together with EFL1, triggers the GTP-dependent release of EIF6 from 60S pre-ribosomes in the cytoplasm, thereby activating ribosomes for translation competence by allowing 80S ribosome assembly and facilitating EIF6 recycling to the nucleus, where it is required for 60S rRNA processing and nuclear export. Required for normal levels of protein synthesis. May play a role in cellular stress resistance. May play a role in cellular response to DNA damage. May play a role in cell proliferation (By similarity).[UniProtKB/Swiss-Prot Function]